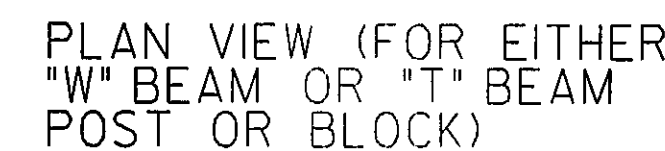
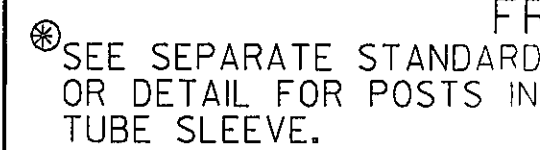


NOTE: WOOD POST ARE ALLOWABLE ONLY WHERE SPECIFIED



WOOD POSTS AND WOOD OFFSET BLOCKS
MAY BE ROUGH OR SURFACED

DIMENSIONS FOR WOOD POSTS AND WOOD
OFFSET BLOCKS ARE NOMINAL IN ACCORDANCE
WITH ACCEPTED LUMBER INDUSTRY STANDARDS



NCTE.
BACK-UP PLATES ARE REQUIRED
WITH ALL STEEL OFFSET BLOCKS
EXCEPT AT RAIL SPLICES OR
WHERE ONE RAIL SECTION IS
NESTED INSIDE ANOTHER RAIL
SECTION. BACK-UP PLATE WILL BE
LOCATED BACK OF RAIL ADJACENT
TO OFFSET BLOCKS (INSIDE MAIN RAIL).

NOTE:
WHERE WOOD OFFSET BLOCK ON STEEL POST IS
PERMITTED IN T-BEAM INSTALLATION, A NAIL OR
SCREW FROM FLOOR TO WOOD IS REQUIRED TO
PREVENT ROTATION OF THE BLOCK.

3/4" DIA. HOLE

6"

13 1/4" OR 14"

EQUAL SPACES

FRONT OR BACK (FOR "W" BEAM)

3/4" DIA. HOLE

6"

6 5/8"

7 5/8"

6 5/8"

1'-9 1/2"

EQUAL SPACES

FRONT OR BACK (FOR "T" BEAM)

(PLAN VIEW IS SAME AS SHOWN FOR WOOD POST ABOVE)

6 5/8" OR 7" SEE ▼ NOTE

TO CENTER OF D BY LENGTH LENGTH BLOCKS.

UND LINE

6' 0" (SEE NOTE #7)

4"

2 1/4"

(OPTIONAL HOLES)

TWO 3/4" DIA. HOLES (REQUIRED)

(OPTIONAL HOLES)

6"

VAR

27" (+/-1") (TOP OF RAIL HEIGHT)

PLASTIC OFFSET BLOCK

POSITION OF OFFSET BLOCK AND RAIL (SEE STD. 4010)

STEEL POST W6x8.5 OR W6x9.0

HOLES IN BOTH FACES OF STEEL POST ARE REQUIRED FOR DOUBLE FACED GUARDRAIL (OPTIONAL FOR SINGLE FACED GUARDRAIL).

FRONT

SIDE

0' 6" 1 FT

SCALE

Technical drawing of a single-faced guardrail showing front and side views with dimensions and labels.

FRONT VIEW:

- Overall height: $2'-8\frac{3}{4}" (+/-)$ (SEE NOTE #7)
- Post height: $6'-6"$
- Post diameter: $4"$
- Optional holes: $6\frac{15}{16}"$ and $7\frac{5}{8}"$ from top.
- Required holes: $11\frac{1}{8}"$ from top.
- Material: STEEL POST W6x8.5 OR W6x9.0

SIDE VIEW:

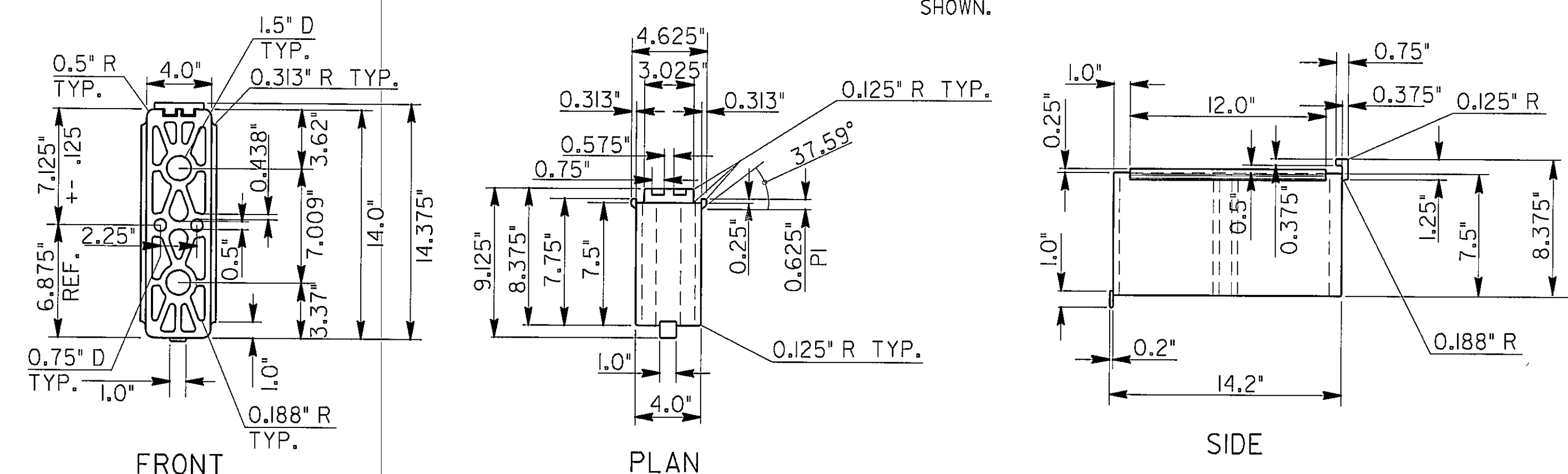
- Offset block position: $3\frac{1}{4}" \pm$
- Offset block height: $30\frac{1}{2}" (+/-1/2")$
- Position of offset block and rail: (SEE STD. 4270).
- Ground line: GROUND LINE

SCALE: 0' 6' 1 FT

NOTES:

- (OPTIONAL HOLES)
- TWO $\frac{3}{4}"$ DIA. HOLES (REQUIRED)
- HOLES IN BOTH FACES OF STEEL POST ARE REQUIRED FOR DOUBLE FACED GUARDRAIL (OPTIONAL FOR SINGLE FACED GUARDRAIL).

1. SPECIFICATIONS GEORGIA STANDARD, CURRENT EDITION AND SUPPLEMENTS THERETO.
2. STEEL POSTS MAY BE EITHER ROLLED OR WELDED STRUCTURAL SHAPES. STEEL OFFSET BLOCKS SHALL BE ROLLED, WELDED POSTS SHALL BE SEAL WELDED BETWEEN WEB AND FLANGE BEFORE GALVANIZING.
3. WHERE WOOD POST OR WOOD OFFSET BLOCKS ARE PERMITTED, THE WOOD SHALL BE TREATED IN ACCORDANCE WITH GEORGIA STANDARD SPECIFICATIONS.
4. ALL BOLTS USED FOR FASTENING THE RAIL AND OFFSET BLOCKS TO WOOD POSTS SHALL HAVE SUFFICIENT LENGTH TO EXTEND AT LEAST 1/4" BEYOND THE FULL NUT, UP TO 3" BEYOND.
5. (a) "W" BEAM GUARDRAIL: ALL OFFSET BLOCKS SHALL BE 8" DEPTH PLASTIC BLOCKS EXCEPT FOR (d) BELOW.
(b) "T" BEAM GUARDRAIL: STANDARD INSTALLATION WILL USE 8" DEPTH PLASTIC BLOCKS UNLESS OTHERWISE APPROVED.
(c) 13 3/4" DEPTH MODIFIED STEEL OFFSETS MAY BE SPECIFIED WHERE JUSTIFIED FOR MORE SEVERE CONDITIONS. PAY ITEM IS --GUARDRAIL, TP T, MODIFIED OFFSET BLOCK--PER LIN. FT.
(d) WOOD OFFSET BLOCKS MAY BE USED ONLY AT AN ISOLATED LOCATION WITHIN A RUN OF GUARDRAIL, WHERE OTHER BLOCK TYPES WOULD NOT PROVIDE PROPER FIT, AS DETERMINED BY THE ENGINEER OR SHOWN IN THE PLANS.
6. POSTS SHALL BE SPACED AT 6'-3" C. TO C., UNLESS OTHERWISE NOTED.
7. ADDITIONAL LENGTH POSTS, WHERE SPECIFIED, SHALL BE 7'-0" AND 7'-6" LONG FOR "W" BEAM AND "T" BEAM GUARDRAILS RESPECTIVELY, WITH HOLES DIMENSIONED FROM THE POST-TOP THE SAME AS SHOWN.



NOTE: 1. COMPOSITE OFFSET BLOCKS SHALL BE OF TYPE LISTED IN GA. D.O.T. QPL OF APPROVED PRODUCTS OR PER STANDARD SPECIFICATIONS.	
2. UNIFORM WALL THICKNESS OF 0.375"	
3. UNSPECIFIED CORNERS TO BE 0.050" MIN.	
4. UNSPECIFIED TOLERANCES TO BE 0.050".	NOTE: NOOD P

NOTE: ADDITIONAL DEPTH OFFSETS BELOW ARE SHOWN FOR "W" BEAM.
SIMILAR OFFSETS MAY BE APPLIED FOR "T" BEAM GUARDRAIL.

NOTE: ADDITIONAL DEPTH OFFSETS ARE PERMITTED ONLY WHERE AN ISOLATED POST MUST BE PLACED AT A GREATER THAN NORMAL OFFSET.

NOTE: FOR BLOCK CONNECTION TO POST AND TO RAIL SEE STD 4010(OR 4270)

STEEL POST TO BE PLUMBED AND FOUNDATION CONCRETE POURED AROUND
POST TO FINISHED ELEVATION.

PAYMENT FOR GUARDRAIL TO INCLUDE ALL EXTRA WORK AND MATERIALS INCLUDING CONCRETE (CL. A OR CL. B) AND NO. 4 BARS.

IF OFFSET FROM RAIL FACE TO HEADWALL IS LESS THAN 4'-3", POST SPACINGS ARE REDUCED TO 3'-1/2" C.C. ACROSS THE CULVERT WITH 7' SUCH SPACINGS IN ADVANCE AT NO ADDITIONAL PAYMENT.

STATE	PROJECT NUMBER	SHEET NO	TOTAL SHEETS
GA.	CS286-0607-02(033)	106	167

			12-18-01	DEPARTMENT OF TRANSPORTATION	
			12-27-00	STATE OF GEORGIA	
			DATE		
			ADDED COMPOSITE BLOCK		
			REV. OFFSET BLK. RAIL HT		
			REVISION		
				<p>STANDARD POSTS AND OFFSET BLOCKS FOR "W" & "T" BEAM GUARDRAIL (REPLACES STANDARDS 4011 & 4271)</p>	
				SCALE: AS SHOWN	REVISED & REDRAWN DEC., 1999
			BY	(SUBMITTED) <i>JAMES A. KANUL</i> STATE ROAD & AIRPORT DESIGN ENGINEER (APPROVED) <i>Don L. Fawcett</i> CHIEF ENGINEER	NUMBER 4011A